Work Order ID 107800 *107800* Page 1 October-03-13 9:04:37 AM Item ID: D3183-043 Accept *N900040100* Setup Start **Revision ID:** Stop Item Name: Bracket Assembly **Start Date:** 10/03/13 Start Oty: 6.00 **Cust Item ID:** Req'd Qty: 6.00 Required Date: 10/17/13 **Customer:** Reference: Run Process Plan: MCS Date: 13-10-03 Tooling: Approvals: Date: Stop SPC (Y/N): OC: Date: Date: Sequence ID/ Operation Set Up/ **Tool ID** Tool # Plan Accept Reject Reject Insp. **Work Center ID** Description Code Qty Qty Number Stamp **Run Hours Draw Nbr Revision Nbr** D3183 Rev C1 100 0.00 6 0 BAND SAW *100* Bandsaw 0.00 Memo Jeaspa Bandsaw Cut blanks: (1.500" x 2.250") 5.500" long 0.00 1413-10-15 HAAS CNC VERTICAL MACHINING #1 *110* 0.00 HAAS 1 Memo HAAS CNC vertical machine #1 1-Machine D3183-3 as per Folio FA322 and Dwg D3183Identify as D3183-32-Deburr3-Scribe batch number 120 QC2- Inspect parts off machine FAI/FAIB 0.00 S13-10-15 6 8 *120* 0.00 QC Memo

Quality Control

NCR:	Yes	1	Nο

DQA:	Date:	

	-							•		QA Closed:	Date	:
Work Orde	or.				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part N	***************************************				Rework Scrap Use-as-is		1	Skid-tube Machining	Crosstube Small Fab Finishing	4	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR N	No				Work Order Update]		Large Fab	Composite]	Supplier	
Root				Descri	ption of work order update	li	nitial	Ad	ction	Sign &	_	
Cause	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Dese	cription	Date	Verification	QC Inspector
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Material												
Setup		ì										
Other												
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	Heat Tre	at			Countersink	П	Mislabe	eled		Positioned V	Vrong	
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	Ripples i	-			Drill Holes		Offset					
	Torque \	Waves in I	Extrusio	1	Drawing		Out of	Calibration				
	Turning Sequence Finish					Out of :	Sequence					
	Wave/T	wist in Tu	be		Folio		Outside	Dimensions				

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Work Ord		7800			*1(78				Page 2				
Item ID: Revision ID:	D3183-043	b.l.		A	ccept	*	N900	040	100)* s	etup Star Stoj	ı VI.	S1*	<u></u> :
tem Name: Start Date: Required Date: Reference:	Bracket Assem 10/03/13 : 10/17/13	Start Qty: 6.00 Req'd Qty: 6.00		'6* '6*			Cust Item l	ID:			510	′ *N:	S2*	
Approvals:		n:	Date:		Tooling: SPC (Y/N):			ate:		R	un Star Stoj	,	R1* R2*	
Sequence ID/ Work Center II	D	Operation Description			Set Up/ Run Hour	·s	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
130 QC Quality Control		QC8- Inspect parts - seco	nd check		0.00	0	L 13/10	117		6	_&			
40		Small Fab			0.00					<u></u>			.//	D
140 Small Fab		Memo	3183-043 as pe	т Dwg D3183.	0.00					-6x			13/10/17	9.
*150		QC5- Inspect part comple	eteness to step	on W/O		DAS 27				6				
QC		Memo			0.00	9-89 2	7							

Quality Control

DQA: Date:		
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WORK ORDER NON-CONFORMANCE / UPDATE

										QA Closed:	Date	: :
Work Order	,.				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part No					Rework Scrap			Skid-tube Machining	Crosstube Small Fab	-1	Water Jet d. Eng. Coor.	Engineering Quality
NCR No	0	<u> </u>			Use-as-is Work Order Update	}	Thern	noforming Large Fab	Finishing Composite	Rec/Stol	re/Packaging Supplier	Other
Root				Descri	ption of work order update	1	nitial	Ac	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
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	Bending			.	Bend		Grain			Ovalized	_	Pressure/Forced
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-	Cracks			<u> </u>	Broken/Damaged		•	ion Incomplete	,, ,	Part Incorre	<u> </u>	Weld
-	Crushed/	Crimped		_	Burrs	-	i	tions Incomplete/	Unclear	Part Lost/M	_	Wrong Stock Pulled
-	Cuffs			-	Contamination	\vdash	ł	enance	<u></u>	Part Moved		
	Heat Trea		Tule -	<u> </u>	Countersink	-	Mislabe		-	Positioned \ Power Loss/		Other
-	Inspectio		iube	-	Cut Too Short	-	Misrea Offset	u ·	<u> </u>	Trower ross/	Juige _	Torrier
	Ripples in Bend Drill Holes Torque Waves in Extrusion Drawing			⊣	\vdash	4	Calibration					
	⊣ `			¹	Drawing	\vdash	4					
1	Turning S	sequence	!	1	Finish	1	Jout of	Sequence				·

Outside Dimensions

Wave/Twist in Tube

Folio

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Work Orde				*107	7800*							Page :	3
Item ID: Revision ID:	D3183-043		A	Accept	*N900	040	100)*	Setup	etup Start	*NS1*		
Item Name:	Bracket Asse	embly								Stop	*N	S2*	
Start Date: Required Date: Reference:	10/03/13 10/17/13	Start Qty: 6.00 Req'd Qty: 6.00	*6* *6*		Cust Item II Customer:	D:							
Approvals:	Process P	lan:	Date:	Tooling:	Da	ite:]	Run	Start	*N	R1*	
	QC:		Date:	SPC (Y/N):	Da	ite:				Stop	*N	R2*	
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Re Qt	-	Reject Number	Insp. Stamp	
160		Identify as per dwg & Sto	ock Location:	0.00						1	,	,	3
160 Packaging		Memo	502363	0.00						3/14	12 ((e)	86
Packaging													
170		QC21- Final Inspection	Work Order Delegge	0.00				<i>i</i> ∩	- /		10/10	<i>[</i> a.	
		QC21- Final hispection -	Work Order Release	0.00				<i>(</i>)81	/9	KM	13/10	121.	
170 QC Quality Control		Memo		0.00				7),	/		MG	/21. 	-

											DQA:	Date:			
NCR: Y	⁄es	/ No				WORK ORDER NON-C	ONFO	RMAI	NCE / UP		QA Closed:	Date:			
Work Orde	er:		·			DISPOSITION			AGAINST DEPARTMENT/PROCESS						
Part No						Rework Scrap Use-as-is Work Order Update	The	Machining Small Fab Prod. Eng. Cod Thermoforming Finishing Rec/Store/Packagi					Engineering Quality Other		
Root					Descri	ption of work order update	Initial		Ac	tion	Sign &				
Cause		Date	Step	Qty		or Non-conformance	Chief Er	ηg	Desc	ription	Date	Verification	QC Inspector		
Doc/Data															
Equip/Tooling															
Operator												,	·		
Material															
Setun]												

Unapproved **FAULT CATEGORY Landing Gear** General Ovalized Pressure/Forced Bending Bend Grain BOM/Route Temperature/Cure Centre Not Concentric to O/S Hardware Over/Under tolerance Part Incorrect Broken/Damaged Inspection Incomplete Weld Cracks Wrong Stock Pulled Part Lost/Missing Crushed/Crimped Burrs Instructions Incomplete/Unclear Maintenance Cuffs Part Moved Contamination Mislabeled Positioned Wrong Countersink Heat Treat Power Loss/Surge Other Inspection Strip in Tube Cut Too Short Misread Drill Holes Offset Ripples in Bend Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Wave/Twist in Tube Folio **Outside Dimensions**

Other Process Supplier Training

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DQA:	 Date:	

								-		QA Closed:	Date	:
Work Orde	r:				DISPOSITION				AGAINST DI	EPARTMENT,	/PROCESS	
Part No	o				Rework Scrap Use-as-is Work Order Update		ا Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update	In	itial	Ac	tion	Sign &		
Cause	Date	Step	Qty	•	or Non-conformance	Chie	ef Eng	Desc	ription	Date	Verification	QĆ Inspector
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· [Bending			L	Bend		Grain			Ovalized	L	Pressure/Forced
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	Crushed/	Crimped			Burrs	\square	nstruct	ions Incomplete/	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
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	Wave/Tw	ist in Tul	oe e	j	Folio		Dutside	Dimensions				

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DART AEROSPACE LTD	Work Order:	107800
Description: Bracket	Part Number:	D3183-3
Inspection Dwg: D3183 Rev: C1		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

XF	irst Article	Prototype	
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Drawing	T-1	Actual	A 4	Daisas	Method of	0
Dimension	Tolerance	Dimension	Accept	Reject	Inspection	Comments
R0.190	+/-0.030	188	1		12 . 1	Cauca
R0.063	+/-0.010	.063	1		Kad	canyl
0.182	+/-0.010	6183			5408	Vein
0.070	+/-0.010	207 0			1	
0.100	+/-0.010	. 0 70 .698				
Ø0.201 x 0.100	+/-0.010	199 Y.097				
0.182	+/-0.010	0183				
5.32	+/-0.030	5.323	/			J
5.036	+/-0.010	5.0355			11.56	Coulon
2.120	+/-0.010	2.120			Heigh	Garyl
1.290	+/-0.010	1.287	1			
0.365	+/-0.010	1363				
0.218	+/-0.010	215				
1.030	+/-0.010	1.035				,
1.90	+/-0.030	1.890				
1.012	+/-0.010	1.008	1,			
Ø0.201 x 0.100	+/-0.010	20.1 1.098				
0.786	+/-0.010	.778				
Ø0.392	+0.002/-0.000	.393	/		SLOZ	Mic
R0.19	+/-0.030	(1.188				wal
3.954	+/-0.010	3.954			Height	canel
0.162	+/-0.010	0/42			1,0,0	4 · J
R0.19	+/-0.030	3.190			010	Caucil
R0.25	+/-0.030	R.250	/		ベガレ	onuge
4.26	+/-0.030	4.260			Height	gause
2.080	+/-0.030	2.080				- g g-
1.155	+/-0.010	1.150	/		,	
0.162	+/-0.010	3161				· · · · · · · · · · · · · · · · · · ·
0.36	+/-0.030	, 360				
0.615	+/-0.010	6625				
0.435	+/-0.010	.430		y	1/	
0.200	+/-0.010	101	J,			
0.381	+/-0.010	. 391			- V	
0.032	+/,70.010	.029		***	SLII	Depth gauge

Measured by: Audited by: Date: 13-10-15

Audited by: Date: 13/10/17

Prototype Approval: N/A

Date: N/A

Date	Change		Revised by	Approved
03.11.12	New Issue	P/O D3183-043	KJ/RF	
04.03.15	Changes as per rev	vision C	KJ/JLM/RF	
06.03.09	Dwg Rev update		KJ/JLM LA	
08.01.28	0.182 dimension re	moved	KJEC/DD A	- 787
	03.11.12 04.03.15 06.03.09	03.11.12 New Issue 04.03.15 Changes as per rev 06.03.09 Dwg Rev update	03.11.12 New Issue P/O D3183-043 04.03.15 Changes as per revision C 06.03.09 Dwg Rev update	03.11.12 New Issue P/O D3183-043 KJ/RF 04.03.15 Changes as per revision C KJ/JLM/RF 06.03.09 Dwg Rev update KJ/JLM

QA:	Date:	
νųπ.	Date.	

WORK ORDER NON-CONFORMANCE / UPDATE

TVCIT.					WORK ORDER NOR C	.0141 01			QA Closed:	Date	2:
Work Orde	r:				DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No.			Rework Scrap		Skid-tube Crosstube Machining Small Fab			Water Jet d. Eng. Coor.	Engineering Quality		
NCR No.			Use-as-is Thermoforming Finishing Work Order Update Large Fab Composite			~ }	Rec/Store/Packaging Other Supplier				
Root	Root Descr			Descri	ption of work order update	Initial	А	ction	Sign &		
Cause	Date	Step	Qty	(or Non-conformance	Chief _' Er	g Des	cription	Date	Verification	QC Inspector
Doc/Data											
quip/Tooling	_										
Operator											
Material											
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-	Bending Centre No	- + C	atria ta C	\(\begin{array}{c} \begin{array}{c} \end{array}	BOM/Route	Hard		<u> </u>	Over/Under	tolorance	Temperature/Cure
	Cracks	ot concei	ime to c) ³ -	Broken/Damaged	⊢	ction Incomplete	<u> </u>	Part Incorre	<u> </u>	Weld
}	 -	Crimpod		-	Burrs	_	action incomplete	// Inclear	Part Lost/M	—	Wrong Stock Pulled
-	Crushed/Crimped Cuffs			ļ	Contamination	\vdash	ntenance	-/ Officieal	Part Moved		
F	Heat Trea	at		<u> </u>	Countersink	\vdash	beled	<u> </u>	Positioned \		
ŀ	Inspectio		Tube	 	Cut Too Short	Misro		-	Power Loss/		Other
}	Ripples in		· use		Drill Holes	Offse		<u> </u>	1. 22. 2000)		1
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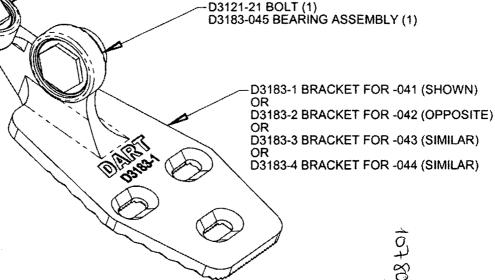


DESIGN	DRAWN BY		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA						
CHECKE	P	APPROVED	DRAWING NO. D3183	REV. C					
DATE	04.0)2.17	BRACKET ASSEMBLY	SCALE 1:1					
Α.	0	3.01.24	NEW ISSUE						
В	0	3.06.17	REMOVE BEARING; 1.012 WS 0.88	32					
С	.0	4.02.17	ADD -045/-9; 0.182 WAS 0.431						

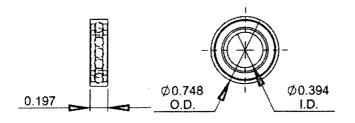
04.11.09 0.830 WAS 0.850

DEO ATTACHED

D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



D3183-041 BRACKET ASSEMBLY (SHOWN)
D3183-042 BRACKET ASSEMBLY (OPPOSITE)
D3183-043 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE, CONRAD TYPE, SHIELDED 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES

0.052 ±0.005 Ø0.600 +0.005 Ø0.394 0.000 I.D O.D.

D3183-7 WASHER

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) **ANNEALED**
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010 3) TOLERANCES ARE PER DART QSI 018 **UNLESS OTHERWISE NOTED**
- 4) ALL DIMENSIONS ARE IN INCHES

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Date:	
Date:	
	Date:

WORK ORDER NON-CONFORMANCE / UPDATE

WCIX. 1	23 / 110				WORK ORDER HOR-C		IVIAITOL / OI		QA Closed:	Date	:
Work Orde	··				DISPOSITION		AGAINST DEPARTMENT/PROCESS				
Part No					Rework Scrap		Skid-tube Crosstube Machining Small Fab		Water Jet Prod. Eng. Coor.		Engineering Quality
NCR N	NCR No.				Use-as-is Work Order Update	Ther	Thermoforming Finishin Large Fab Composit		Rec/Sto	re/Packaging Supplier	Other
Root		Description of work order update		ption of work order update	Initial	Ad	ction	Sign &			
Cause	Date	Step	Qty	(or Non-conformance	Chief Eng	Desc	cription	Date	Verification	QC Inspector
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-	Cracks	<i>1</i> 6 · 1		<u> </u>	Broken/Damaged	\blacksquare	tion Incomplete	// In along	Part Incorre	-	Wrong Stock Pulled
	Crushed/Crimped		. -	Burrs	\vdash	tions Incomplete	Junciear	Part Lost/M Part Moved	_		
-	Cuffs	.+		-	Contamination Countersink	Mislab	enance	 	Positioned V		
}	Heat Trea		Tubo	-	Cut Too Short	Misrea		 	Positioned V	_	Other
}	Inspection Ripples in		iube	-	Drill Holes	Offset		<u> </u>	J. Ower 1033/	Juige	Totalet
}	Torque V		Evtrucio	<u>,</u>	Drawing	\mathbf{H}	Calibration				
ŀ				" <u></u>	Finish	—	Sequence				
i	Turning Sequence		li ii ii sii	I Journ	Sequence						

Outside Dimensions

Folio

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Wave/Twist in Tube

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QA:	Date:	

					•						QA Closed:	Da	te:	
Work Order	֥				DISPOSITION		AGAINST DEPARTMENT/PROCESS						•	
Part No Rew				Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite			Water Jet d. Eng. Coor. e/Packaging Supplier		Engineering Quality Quality Other	
Root				Descri	iption of work order update	In	itial	Ac	ction		Sign &			
Cause	Date	Step	Qty		or Non-conformance	Chie	ef Eng	Desc	cription		Date	Verificatio	n	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved														
	<u> </u>	<u> </u>	1	I	, : F	AULT	CATE	GORY					•	
Landin	g Gear				General									
	Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Burrs Contamination Countersink Cut Too Short		BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread			Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Positioned Wrong Power Loss/Surge			Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other			
}	Ripples in Torque V		Evtrució	<u> </u>	Drill Holes Drawing	-	Offset	Calibration					-	
	— '			" 	Finish	\vdash		Sequence						
				Folio	-		Dimensions							

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OR COPIED

107800

REV. C SHEET 3 OF 4

											DQA:	Date	e:
NCR: Y	es	/ No				WORK ORDER NON-C	O	NFORM	AANCE / UPD	DATE	QA Closed:	Date	e:
Work Orde	· ·			,		DISPOSITION				AGAINST DE			
Part N	Part No. NCR No.				Rework Scrap Use-as-is Work Order Update	Machining Small Fab		Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other		
Root					Descri	ption of work order update	Ī	nitial	Acti	ion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Descri	iption	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved													
							AUL	T CATE	GORY				
Landi		g Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs			o/s	General Bend BOM/Route Broken/Damaged Burrs Contamination		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance			Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
	_	Heat Trea		Tubo	F	Countersink Cut Too Short	\vdash	Mislabe		-	Positioned V Power Loss/		Other
	\vdash	Inspection Strip in Tube Ripples in Bend			-	Drill Holes		Misread Offset			J. Ower 1033/	Juige [Tother

Out of Calibration
Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

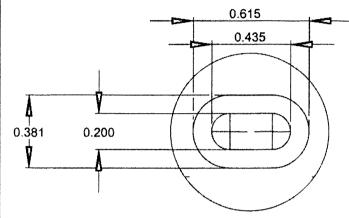
Finish Folio

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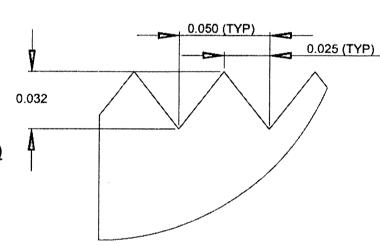
DESIGN	DRAWN BY	DART AEROSPAC HAWKESBURY, ONTARIO,	
CHECKED	APPROVED	D3183	REV. C SHEET 4 OF 4
DATE 04	02 17	BRACKET ASSEMBLY	SCALE

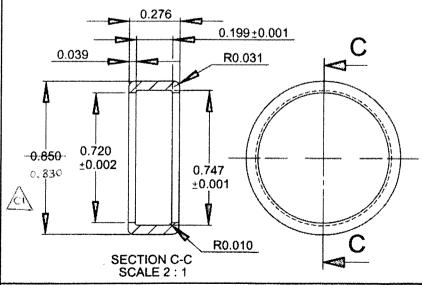


DETAIL A (2:1)

DEO ATTACHED

DETAIL B (20:1)





D3183-9 CAP

- 1) MATERIAL: DELRIN ROD, Ø1.00 (REF DART SPEC. M-DELRIN-R1.00)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 3) ALL DIMENSIONS ARE IN INCHES

D3183-045 BEARING ASSEMBLY

1) ASSEMBLE D3183-5 BEARING AND D3183-9 CAP

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DQA:	Date:	

										QA Closed:	Dat	te:		
Work Order:					DISPOSITION				AGAINST DEPARTMENT/PROCESS					
Part No					Rework Scrap Use-as-is Work Order Update		Skid-tube Crosste Machining Small Thermoforming Finish Large Fab Compo			Prod. Eng. Coor. Quality Rec/Store/Packaging Other				
Root				Descri	ption of work order update	İİr	Initial Action			Sign &				
Cause	Date	Step	Qty		or Non-conformance	Chi	ef Eng	Description		Date	Verification	n QC Inspector		
Doc/Data														
Equip/Tooling						l								
Operator														
Material														
Setup												· ·		
Other														
Process		1												
Supplier		ļ	1											
Training														
Unapproved														
					F	AUL	CATE	GORY						
Landir	ng Gear				General					_	-			
	Bending	Bending Bend					Grain			Ovalized		Pressure/Forced		
	Centre N	Centre Not Concentric to O/S Cracks			BQM/Route Broken/Damaged		Hardware Inspection Incomplete			Over/Under	tolerance	Temperature/Cure		
	Cracks									Part Incorre	ct	Weld		
	Crushed/	Crushed/Crimped			Burrs	Ins		nstructions Incomplete/Unclear		Part Lost/Mi	issing	Wrong Stock Pulled		
	Cuffs	-				Mainte	enance .		Part Moved					
	Heat Trea	Heat Treat Countersink			Countersink	Ш	Mislabe	lislabeled Positioned Wrong			Vrong			
	Inspectio	Inspection Strip in Tube Cut Too Short			$\boldsymbol{\vdash}$	Misread	t	L	Power Loss/Surge Other					
	Ripples in	Ripples in Bend Drill Holes			—	Offset								
	Torque V	Torque Waves in Extrusion Drawing			-		Calibration							
	Turning Sequence Finish				Finish	\square	Out of s	Sequence						
	Wave/Tv	Wave/Twist in Tube Folio					Outside	Dimensions						

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107-800

DRAWING	NO. TITLE		, REV.C1	DART AEROSPACE LTD	D.E.O. NO.	SHEET NO.	SCALE
D3183	BRACK	ET ASSEMBLY		ENGINEERING ORDER		SHEET 1 OF 1	NTS
DRAWN	P	CHECKED	基	MFG. APPR.	APPROVED A	DE APPR.	
DATE	10.05.14	DATE	10.06.30	DATE (0.06.30	DATE 10/00/30	DATE (0/06/30	

D3183-5 BEARING

ADD POSSIBLE SUPPLIER: KML P/N 6800-ZZ

BASIC LOAD RATING REQUIREMENT:

Cr = 1720 N (386 lb) MIN [DYNAMIC]

Cor = 840 N (188 lb) MIN [STATIC]

REF PAR 10-012

RELEASED 2010 -07-22

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DQA: Date: **WORK ORDER NON-CONFORMANCE / UPDATE** Yes / No NCR: QA Closed: Date: **AGAINST DEPARTMENT/PROCESS DISPOSITION** Work Order: Skid-tube Crosstube Water Jet Engineering Rework Machining Small Fab Prod. Eng. Coor. Quality Scrap Part No. Rec/Store/Packaging Other Use-as-is Thermoforming Finishing Composite Supplier Work Order Update Large Fab NCR No. Action Description of work order update Initial Sign & Root QC Inspector Chief Eng Step Qty or Non-conformance Description Date Verification Date Cause Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved **FAULT CATEGORY** Landing Gear General

١		Bending 📉	Bend	Grain	<u> </u>	Ovalized	L	Pressure/Forced
١		Centre Not Concentric to O/S	BOM/Route 、	Hardware		Over/Under tolerance		Temperature/Cure
١		Cracks	Broken/Damaged	Inspection Incomplete		Part Incorrect		Weld .
۱		Crushed/Crimped	Burrs	Instructions Incomplete/Unclear	L	Part Lost/Missing		Wrong Stock Pulled
-		Cuffs	Contamination	Maintenance		Part Moved		
I		Heat Treat	Countersink	Mislabeled	L	Positioned Wrong		-
l		Inspection Strip in Tube	Cut Too Short	Misread	L	Power Loss/Surge		Other
١		Ripples in Bend	Drill Holes	Offset				
I	`	Torque Waves in Extrusion	Drawing	Out of Calibration				
ı		Turning Sequence	Finish	Out of Sequence				
		Wave/Twist in Tube	Folio	Outside Dimensions				